



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/493,472	01/28/2000	James P. Mitchell	00CR063/KE	2281

7590 02/19/2004
Kyle Eppele
ROCKWELL COLLINS INC
ATTN: Kyle Eppele
400 Collins Road N.E.
Cedar Rapids, IA 52498

EXAMINER

LAMBRECHT, CHRISTOPHER M

ART UNIT	PAPER NUMBER
----------	--------------

2611

DATE MAILED: 02/19/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

09/493,472

Applicant(s)

MITCHELL, JAMES P.

Examiner

Christopher M. Lambrecht

Art Unit

2611

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☐ Responsive to communication(s) filed on ____.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-38 is/are pending in the application.
- 4a) Of the above claim(s) ____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) ____ is/are allowed.
- 6) ☒ Claim(s) 1-38 is/are rejected.
- 7) ☐ Claim(s) ____ is/are objected to.
- 8) ☐ Claim(s) ____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 28 January 2000 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. §§ 119 and 120

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. ____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.
- 13) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application) since a specific reference was included in the first sentence of the specification or in an Application Data Sheet. 37 CFR 1.78.
a) ☐ The translation of the foreign language provisional application has been received.
- 14) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121 since a specific reference was included in the first sentence of the specification or in an Application Data Sheet. 37 CFR 1.78.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892) 4) ☐ Interview Summary (PTO-413) Paper No(s). ____
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948) 5) ☐ Notice of Informal Patent Application (PTO-152)
- 3) ☒ Information Disclosure Statement(s) (PTO-1449) Paper No(s) 2. 6) ☐ Other: .

DETAILED ACTION

Claim Rejections - 35 USC § 102

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

2. Claims 1-3, 6, 10, 11, 13-19, 21, 22, & 26-30 are rejected under 35 U.S.C. 102(b) as being anticipated by Podowski (Podowski et al., US005524272A).

With regard to claim 1, Podowski discloses a communication system for a mobile platform, the mobile platform being stationary at a docking area (col. 1, lines 11-16), the communication system comprising: a wireless docking area transceiver (LAN interface 46, col. 6, lines 18-21; additionally, col. 5, lines 48-51 disclose LAN interface 46 can be replaced by a wireless link); a wireless platform transceiver (LAN interface 50, which is wireless where a wireless link is used for LAN interface 46); and a storage unit (memory 53), the storage unit being located on the mobile platform (col. 6, lines 48-51), the wireless docking area transceiver providing video data to the wireless platform transceiver while the mobile platform is at the docking area, wherein the storage unit stores the video data for playback in the mobile platform (col. 1, lines 11-16).

With regard to claim 2, Podowski discloses the video data includes safety message data (safety films, col. 7, lines 38-40), advertisement data (advertising/sales information, col. 7, lines 33-35), and entertainment data (radio programs, movies, sports broadcasts, col. 7, lines 32-36).

Art Unit: 2611

With regard to claim 3, Podowski discloses the mobile platform is an airplane (aircraft, col. 1, lines 11-16).

With regard to claim 6, Podowski discloses the mobile platform is an airplane (col. 1, lines 11-16).

With regard to claim 10, Podowski discloses the video data includes safety message data (safety films, col. 7, lines 38-40).

With regard to claim 11, Podowski discloses the video data includes entertainment data (radio programs, movies, sports broadcasts, col. 7, lines 32-36) and advertisement data (advertising/sales information, col. 7, lines 33-35).

With regard to claim 13, Podowski discloses a communication system for a mobile platform, comprising: a wireless docking area transceiver (LAN interface 46, col. 6, lines 18-21; additionally, col. 5, lines 48-51 disclose LAN interface 46 can be replaced by a wireless link); a first means for transmitting data (46), at least a portion of the data including video data (col. 5, lines 15-20, where video server 41 provides data to LAN interface 46, a portion of which is video data), the first means being located at the gate area (video server unit 41 located at airline terminals, col. 4, lines 51-56); second means for receiving the data (LAN interface 50), the second means being located at the mobile platform (col. 6, lines 38-44); and third means (memory 53) for storing the data received by the second means, the third means being located at the mobile platform (col. 6, lines 39-51).

Art Unit: 2611

With regard to claim 14, Podowski discloses the mobile platform is an aircraft (col. 1, lines 11-16).

With regard to claim 15, Podowski discloses the mobile platform video data is safety information (safety films, col. 7, lines 38-40).

With regard to claim 16, Podowski discloses the second means (50) transmits mobile platform operational data to the first means (maintenance information, col. 6, lines 31-38).

With regard to claim 17, Podowski discloses a system and corresponding method of showing video images related to video data on a mobile platform (in-flight playback of video data, col. 1, lines 11-16), the mobile platform cable of traveling to a location (airport, col. 1, lines 11-16), the location having a transmitter (LAN interface 46), the method comprising: electronically receiving the video data from the transmitter (46) with a receiver (50) while the mobile platform is proximate to the location (parked at an airport gate, col. 1, lines 11-16); storing the video data on-board the mobile platform (in memory 53, col. 6, lines 48-51); and displaying the video images on-board the mobile platform in accordance with the video data stored on-board the mobile platform (provide signals suitable for viewing, col. 6, lines 60-64).

With regard to claim 18, Podowski discloses the video data includes safety message data (safety films, col. 7, lines 38-40), advertisement data (advertising/sales information, col. 7, lines 33-35), and entertainment data (radio programs, movies, sports broadcasts, col. 7, lines 32-36).

With regard to claim 19, Podowski discloses the mobile platform is an airplane (col. 1, lines 11-16).

Art Unit: 2611

With regard to claim 21, Podowski discloses transmitting control information to the transmitter (46) (addressing information for initiating program download, col. 6, lines 28-32).

With regard to claim 22, Podowski discloses the mobile platform is an airplane (col. 1, lines 11-16).

With regard to claim 26, Podowski discloses the video data includes safety message data (safety films, col. 7, lines 38-40).

With regard to claim 27, Podowski discloses the video data includes advertisement data (advertising/sales information, col. 7, lines 33-35).

With regard to claim 28, Podowski discloses the control information includes identity information (aircraft sends addressing information for identifying itself, col. 6, lines 28-32, and data to control unit 43, col. 6, lines 33-38).

With regard to claim 29, Podowski discloses the control information includes destination information (destination information is inherently available with aircraft identity information and/or maintenance information at col. 6, lines 22-38).

With regard to claim 30, Podowski discloses the control information includes operational status information (maintenance information, col. 6, lines 31-38).

Claim Rejections - 35 USC § 103

3. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

4. Claims 4, 5, 12, & 20 are rejected under 35 U.S.C. 103(a) as being unpatentable over Podowski in view of Mahany (Mahany et al., US006359872B1).

With regard to claim 4, Podowski discloses a wireless docking transceiver. Podowski does not disclose said wireless docking transceiver is a short-range transceiver.

Mahany discloses a short-range transceiver (microLAN device) for the advantage of minimizing power consumption (col. 6, lines 4-7).

It would have been obvious to one of ordinary skill in the art at the time the invention was made to modify the system of Podowski to include a short-range transceiver, as taught by Mahany, for the advantage of lower power consumption.

With regard to claim 5, Podowski discloses a wireless platform transceiver. Podowski does not disclose said wireless platform transceiver is a short-range transceiver.

Mahany discloses a short-range transceiver (microLAN device) for the advantage of minimizing power consumption (col. 6, lines 4-7).

Art Unit: 2611

It would have been obvious to one of ordinary skill in the art at the time the invention was made to modify the system of Podowski to include a short-range transceiver, as taught by Mahany, for the advantage of lower power consumption.

With regard to claim 12, Podowski disclose a video system for a mobile platform, the mobile platform capable of traveling to a docking area, the docking area having a first transceiver for providing data representative of video (col. 1, lines 11-16), the video system comprising: a transceiver configured to receive the data (LAN interface 50); a storage unit coupled to the transceiver (memory 53), the transceiver storing the data (col. 6, lines 48-51); and a processor (control unit 51) coupled to the storage unit (53), the processor generating the video in response to the data stored in the storage unit (col. 6, lines 48-51). Podowski does not disclose the transceiver is a short-range transceiver.

Mahany discloses a short-range transceiver (microLAN device) for the advantage of minimizing power consumption (col. 6, lines 4-7).

It would have been obvious to one of ordinary skill in the art at the time the invention was made to modify the system of Podowski to include a short-range transceiver, as taught by Mahany, for the advantage of lower power consumption.

With regard to claim 20, Podowski discloses a system and corresponding method utilizing a wireless receiver (LAN interface 50, which is wireless where a wireless link is used for LAN interface 46).

Art Unit: 2611

5. Claims 7-9, & 23-25 are rejected under 35 U.S.C. 103(a) as being unpatentable over Podowski in view of Galipeau (Galipeau et al., US 20030208764A1).

With regard to claim 7, Podowski discloses a mobile platform. Podowski does not disclose the mobile platform is a boat, ship, or train.

Galipeau discloses a mobile platform is a ship or train (pg. 7, ¶111), for the advantage of providing entertainment to passengers using a variety of modes of transportation.

It would have been obvious to one of ordinary skill in the art at the time the invention was made to modify the system of Podowski to include the mobile platform is a train, as taught by Galipeau, for the advantage of providing entertainment to passengers using a variety of modes of transportation.

With regard to claim 8, Podowski discloses a mobile platform. Podowski does not disclose the mobile platform is a road traveling vehicle.

Galipeau discloses a mobile platform is a road traveling vehicle (bus, pg. 7, ¶111), for the advantage of providing entertainment to passengers using a variety of modes of transportation.

It would have been obvious to one of ordinary skill in the art at the time the invention was made to modify the system of Podowski to include the mobile platform is a road traveling vehicle, as taught by Galipeau, for the advantage of providing entertainment to passengers using a variety of modes of transportation.

With regard to claim 9, Podowski discloses video data. Podowski does not disclose the video data includes Internet data.

Galipeau discloses a mobile platform providing Internet data (pg. 6, ¶92), for the advantage of providing passengers access to Internet related data.

Art Unit: 2611

It would have been obvious to one of ordinary skill in the art at the time the invention was made to modify the system of Podowski to include providing Internet data, as taught by Galipeau, for the advantage of providing passengers access to Internet related data.

With regard to claim 23, Podowski discloses a mobile platform. Podowski does not disclose the mobile platform is a boat, ship, or train.

Galipeau discloses a mobile platform is a ship or train (pg. 7, ¶111), for the advantage of providing entertainment to passengers using a variety of modes of transportation.

It would have been obvious to one of ordinary skill in the art at the time the invention was made to modify the system of Podowski to include the mobile platform is a train, as taught by Galipeau, for the advantage of providing entertainment to passengers using a variety of modes of transportation.

With regard to claim 24, Podowski discloses a mobile platform. Podowski does not disclose the mobile platform is a road traveling vehicle.

Galipeau discloses a mobile platform is a road traveling vehicle (bus, pg. 7, ¶111), for the advantage of providing entertainment to passengers using a variety of modes of transportation.

It would have been obvious to one of ordinary skill in the art at the time the invention was made to modify the system of Podowski to include the mobile platform is a road traveling vehicle, as taught by Galipeau, for the advantage of providing entertainment to passengers using a variety of modes of transportation.

With regard to claim 25, Podowski discloses video data. Podowski does not disclose the video data includes Internet data.

Art Unit: 2611

Galipeau discloses a mobile platform providing Internet data (pg. 6, ¶92), for the advantage of providing passengers access to Internet related data.

It would have been obvious to one of ordinary skill in the art at the time the invention was made to modify the system of Podowski to include providing Internet data, as taught by Galipeau, for the advantage of providing passengers access to Internet related data.

6. Claims 31-33, & 36 are rejected under 35 U.S.C. 103(a) as being unpatentable over Podowski in view of Hendricks (Hendricks et al., US006539548B1).

With regard to claim 31, Podowski discloses a communication system for a mobile platform, the mobile platform being stationary at a docking area (col. 1, lines 11-16), the communication system comprising: a wireless docking area transceiver (LAN interface 46, col. 6, lines 18-21; additionally, col. 5, lines 48-51 disclose LAN interface 46 can be replaced by a wireless link); a wireless platform transceiver (LAN interface 50, which is wireless where a wireless link is used for LAN interface 46); and a storage unit (memory 53), the storage unit being located on the mobile platform (col. 6, lines 48-51), the wireless docking area transceiver providing video data to the wireless platform transceiver, wherein the storage unit stores the video data for playback in the mobile platform (col. 1, lines 11-16). Podowski does not disclose providing order wire data, wherein said video is provided in accordance with said order wire data.

Hendricks discloses providing order wire data (program control information signal, col. 18, lines 36-45), wherein video is provided in accordance with the order wire data, for the advantage of providing additional programming information along with video data.

Art Unit: 2611

It would have been obvious to one of ordinary skill in the art at the time the invention was made to modify the system of Podowski to include providing order wire data and storing said order wire data, as taught by Hendricks, for the advantage of accommodating execution of control functions to services being provided.

With regard to claim 32, Podowski discloses video related to safety message data (safety films, col. 7, lines 38-40) and entertainment data (radio programs, movies, sports broadcasts, col. 7, lines 32-36). Podowski does not disclose the order wire data schedules said video data.

Hendricks discloses program scheduling provided by the order wire data (program control information signal, col. 18, lines 36-45), for the advantage of facilitating program scheduling.

It would have been obvious to one of ordinary skill in the art at the time the invention was made to modify the system of Podowski to include scheduling video related to safety message data and entertainment in accordance with order wire data, as taught by Hendricks, for the advantage of facilitating program scheduling.

With regard to claim 33, Podowski and Hendricks together disclose the claimed subject matter. In particular, Podowski discloses the mobile platform is an airplane (col. 1, lines 11-16).

With regard to claim 36, Podowski and Hendricks together disclose the claimed subject matter. In particular, Podowski discloses the mobile platform is an airplane (col. 1, lines 11-16).

7. Claim 34 is rejected under 35 U.S.C. 103(a) as being unpatentable over Podowski and Hendricks as applied to claim 31 above, and further in view of Mahany.

With regard to claim 34, Podowski discloses a wireless docking area transceiver. Podowski does not disclose said wireless docking transceiver is a short-range transceiver.

Mahany discloses a short-range transceiver (microLAN device) for the advantage of minimizing power consumption (col. 6, lines 4-7).

It would have been obvious to one of ordinary skill in the art at the time the invention was made to modify the system of Podowski to include a short-range transceiver, as taught by Mahany, for the advantage of lower power consumption.

8. Claim 35 is rejected under 35 U.S.C. 103(a) as being unpatentable over Podowski and Hendricks as applied to claim 31 above, and further in view of Mahany, Miller (Miller et al., US006507952B1).

With regard to claim 35, Podowski and Hendricks together disclose the wireless platform receiver unit includes order wire data for controlling a source of video (Hendricks: set top terminal control information stream, col. 18, lines 45-48), the source of video being the storage unit. Podowski and Hendricks together do not disclose a short-range receiver and a satellite receiver.

Mahany discloses a short-range transceiver (microLAN device) for the advantage of minimizing power consumption (col. 6, lines 4-7).

Miller discloses a mobile platform (vehicle entertainment system 10) comprising a satellite receiver (18), for the advantage of receiving digital broadcast data.

It would have been obvious to one of ordinary skill in the art at the time the invention was made to modify the system of Podowski and Hendricks to include a short-range transceiver, as taught by Mahany, for the advantage of lower power consumption.

Art Unit: 2611

Additionally, It would have been obvious to one of ordinary skill in the art at the time the invention was made to modify the system of Podowski, Hendricks, and Mahany to include a satellite receiver, as taught by Miller, for the advantage of enabling the reception of digital broadcast data.

9. Claim 37 is rejected under 35 U.S.C. 103(a) as being unpatentable over Podowski and Hendricks as applied to claim 31 above, and further in view of Jerome (US006177887B1).

With regard to claim 37, Podowski and Hendricks disclose video data for the mobile platform is provided in accordance with the order wire data (see ¶6). Podowski and Hendricks together do not disclose video associated with a destination of the platform.

Jerome discloses video associated with a destination of the platform (on display screen 35, col. 6, lines 55-60 & col. 8, lines 14-21), for the advantage of apprising passengers of local time at the destination.

It would have been obvious to one of ordinary skill in the art at the time the invention was made to modify the system of Podowski and Hendricks to include video associated with the destination of the platform, as taught by Jerome, for the advantage of apprising passengers of the local time at the destination.

10. Claim 38 is rejected under 35 U.S.C. 103(a) as being unpatentable over Podowski and Hendricks as applied to claim 33 above, and further in view of Miwa (Miwa et al., US005923627A).

Art Unit: 2611

With regard to claim 38, Podowski and Hendricks together disclose video data for the mobile platform is provided in accordance with the order wire data (see ¶6). In addition, Podowski discloses the video data includes commercials (advertising/sales information, col. 7, lines 33-35) and safety message data (safety films, col. 7, lines 38-40). Podowski and Hendricks together do not disclose the video data includes immigration messages.

Miwa discloses video data comprising immigration messages (immigration procedures, col. 3, lines 20-22), for the advantage of explaining difficult matters, such as traveling information/guidelines for foreign passengers.

It would have been obvious to one of ordinary skill in the art at the time the invention was made to modify the system of Podowski and Hendricks to include video data comprising immigration data, as taught by Miwa, for the advantage of explaining difficult matters, such as traveling information/guidelines for foreign passengers

Art Unit: 2611

Conclusion

11. The following are suggested formats for either a Certificate of Mailing or Certificate of Transmission under 37 CFR 1.8(a). The certification may be included with all correspondence concerning this application or proceeding to establish a date of mailing or transmission under 37 CFR 1.8(a). Proper use of this procedure will result in such communication being considered as timely if the established date is within the required period for reply. The Certificate should be signed by the individual actually depositing or transmitting the correspondence or by an individual who, upon information and belief, expects the correspondence to be mailed or transmitted in the normal course of business by another no later than the date indicated.

Certificate of Mailing

I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to:

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

on _____.
(Date)

Typed or printed name of person signing this certificate:

Signature: _____

Certificate of Transmission

I hereby certify that this correspondence is being facsimile transmitted to the United States Patent and Trademark Office, Fax No. (703) _____ - _____ on _____.
(Date)

Typed or printed name of person signing this certificate:

Signature: _____

Please refer to 37 CFR 1.6(d) and 1.8(a)(2) for filing limitations concerning facsimile transmissions and mailing, respectively.

Art Unit: 2611

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Christopher M. Lambrecht whose telephone number is (703) 305-8710. The examiner can normally be reached on 9:30 AM - 6:00 PM.

If attempts to reach the examiner by telephone are unsuccessful, the primary examiner, Christopher Grant can be reached at (703) 305-4755. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Christopher M. Lambrecht
Examiner
Art Unit 2611

CML


CHRIS GRANT
PRIMARY EXAMINER